



PATENT ABSTRACTS OF JAPAN

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(54) OPTICAL DEPILATING DEVICE

(57) Abstract:

PURPOSE: To automatize the start of irradiation and to reduce the fatigue at the time of irradiation by providing a means for executing alternately the irradiation and the stop of an irradiation probe, and varying independently an interval of an irradiation period and a stop period on an electric control part.

CONSTITUTION: At the time of executing the optical depilation, a use condition of a light emission source of each color, that is, changeover switches SWR, SWB, strength setting parts VIR, VIB, irradiation period setting parts VTR₁, VTB₁, and stop period setting parts VTR₂, VTB₂ are set. In the case of radiating a red light, a red color irradiation probe 5 is installed in a photoconductor cable connector 8, and the selection of a use light source is switched to a contact position R by a switch SWS. Also, in the case of a blue color, the switch SWS is switched to a contact position B. A red color or blue color light emission source always execute a light emission and a stop in accordance with the sequence. Therefore, a user moves the irradiation

probe to a desired part of the skin in the course of a stop period, and executes the radiation during the irradiation period for pressing and fixing it. Since the start of irradiation is determined automatically in the device, fatigue is not generated against use of many hours.

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